

SGK	²⁵⁶ TTSTFCGTP ⁴²² EYLAPE.....FLGF ⁴²² S ⁴²² YAPP
PKB α	³⁰⁸ TMKTFCGTP ⁴⁷³ EYLAPE.....FPQFS ⁴⁷³ YSAS
p70 S6K	²²⁹ VTHTF ³⁸⁹ CGTIEYMAPE.....FLGF ³⁸⁹ T ³⁸⁹ YVAP
PKC δ	⁵⁰⁷ RASTFCGTP ⁶⁶⁴ PDYIAPE.....FAGFS ⁶⁶⁴ SVNP

Figure 1

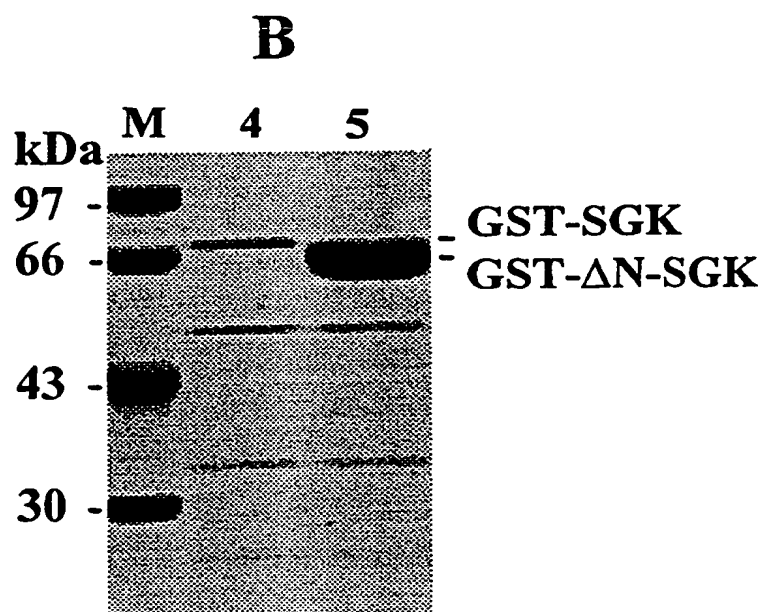
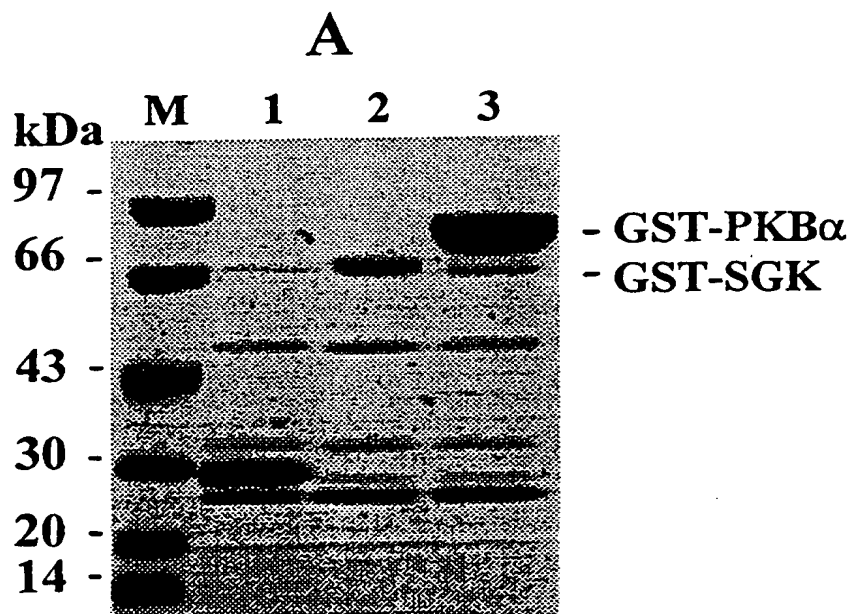


Fig. 2

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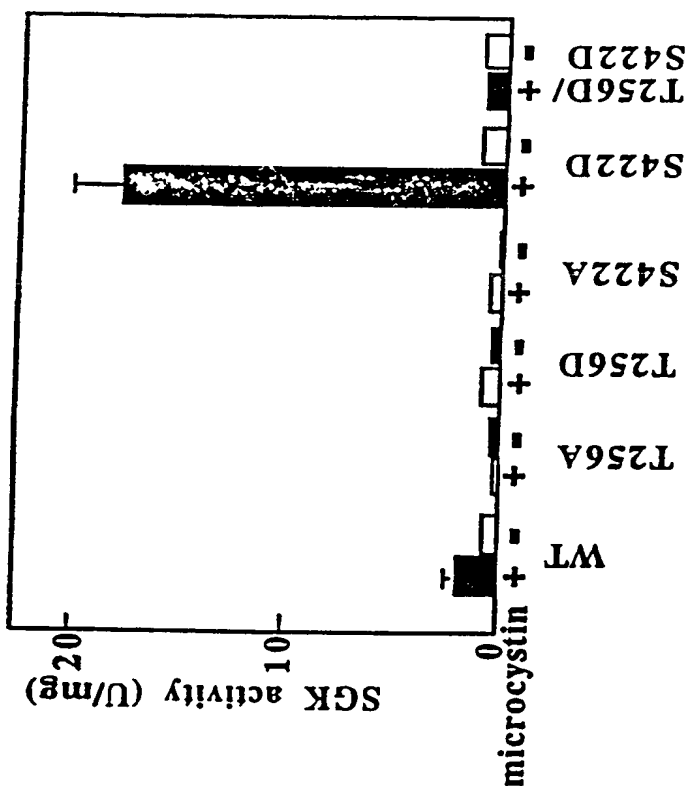
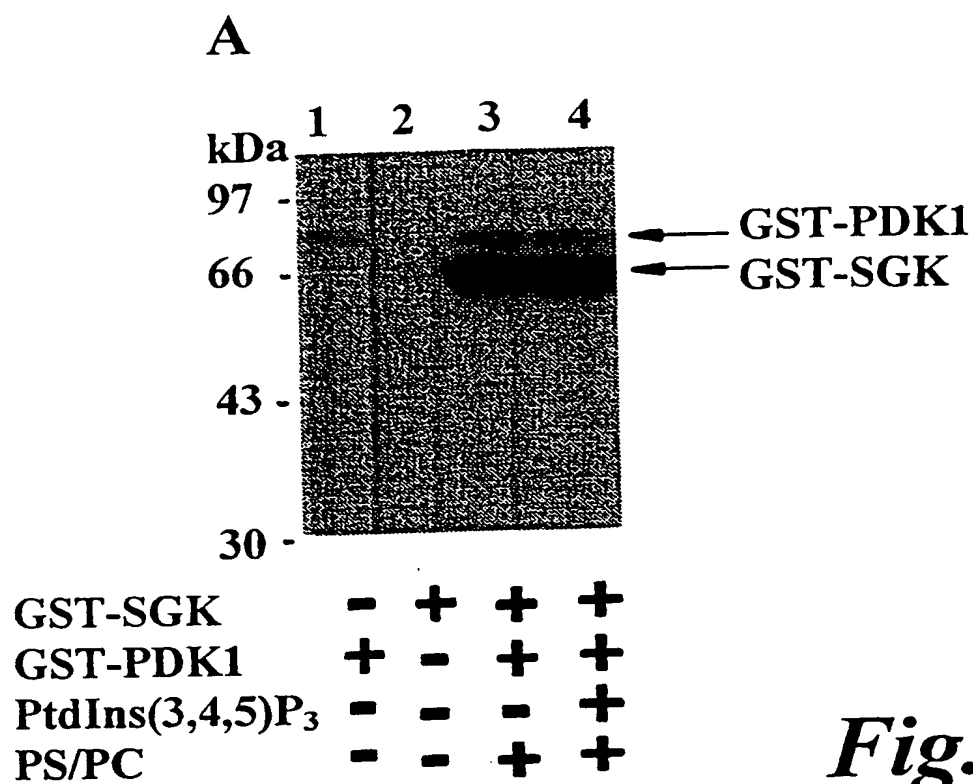
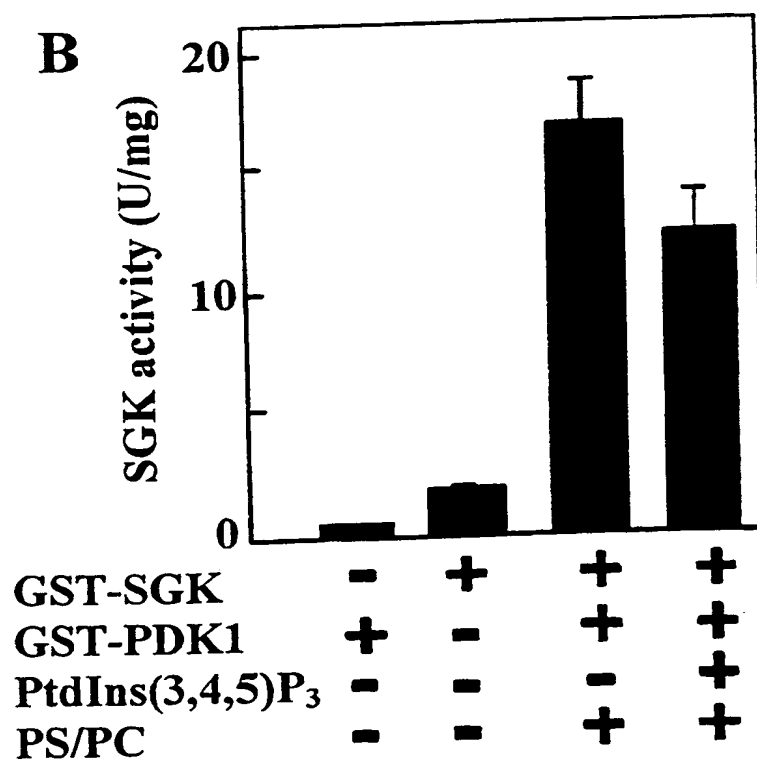


Figure 3

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*Fig. 4*

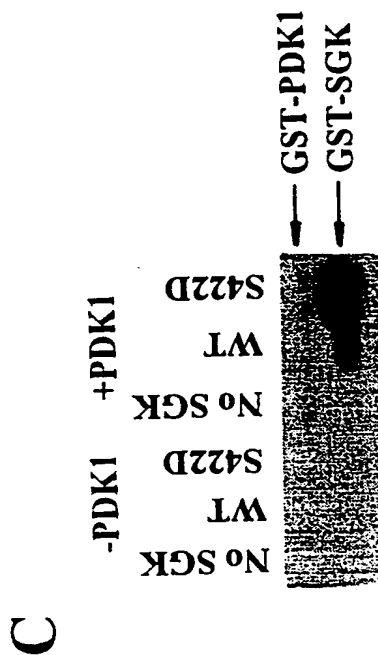
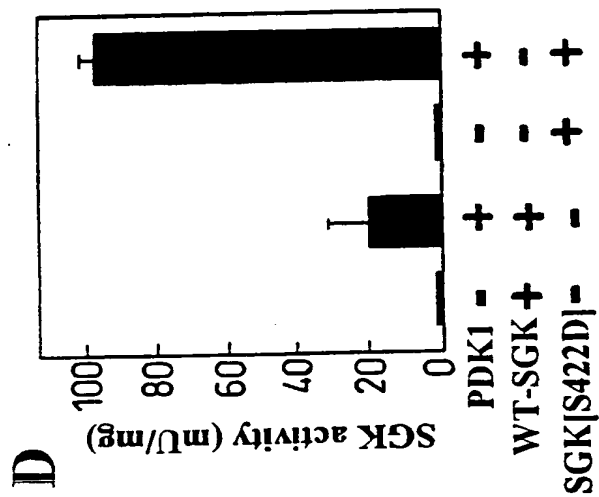
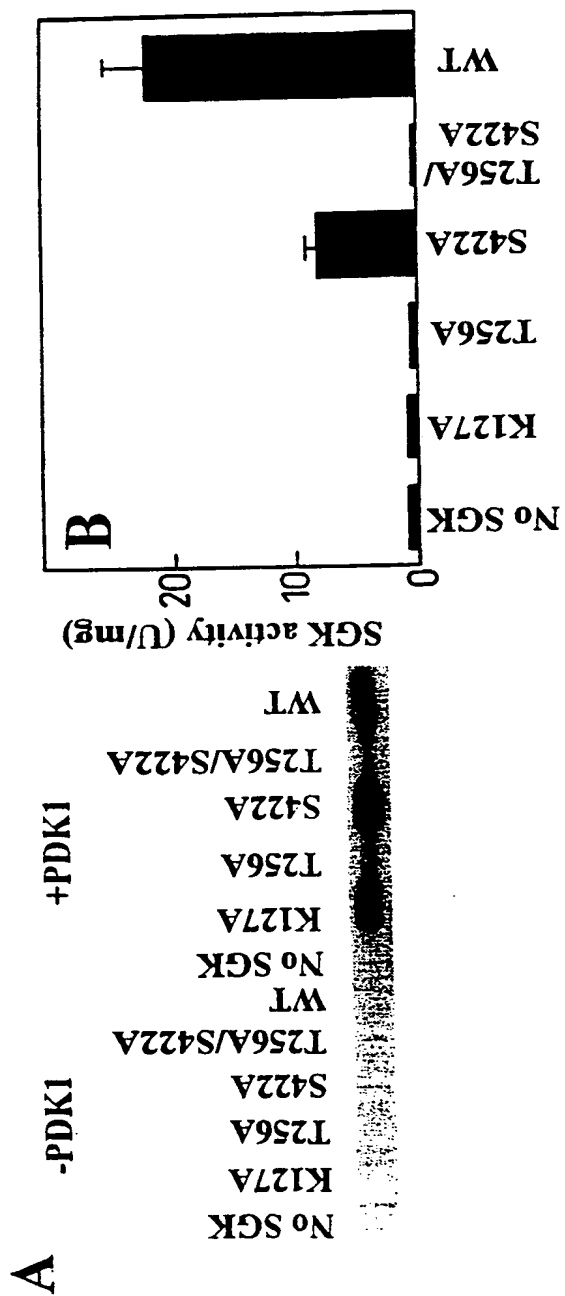


Fig. 5

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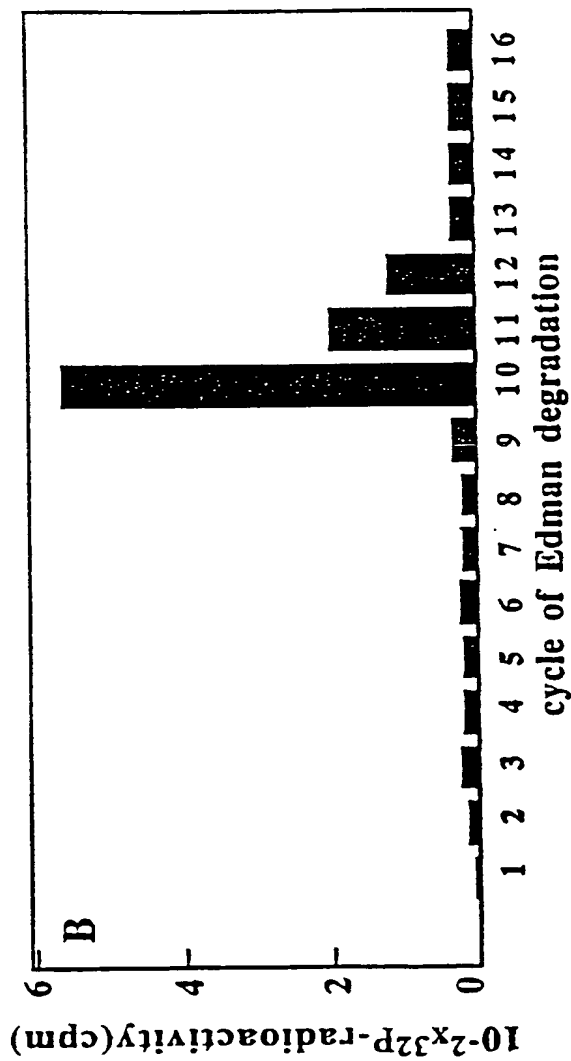
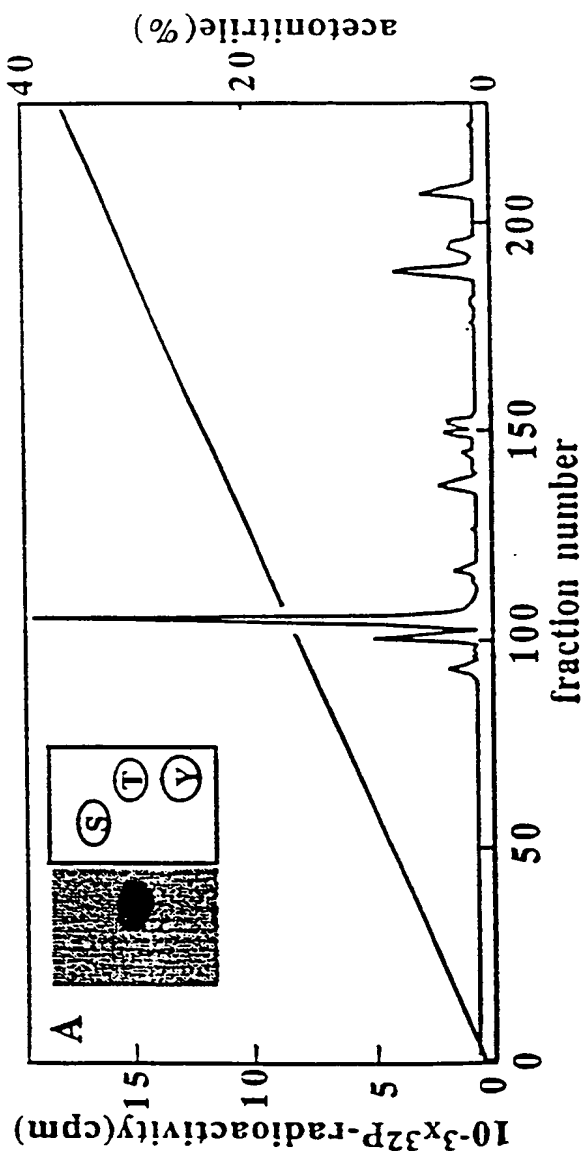


Figure 6

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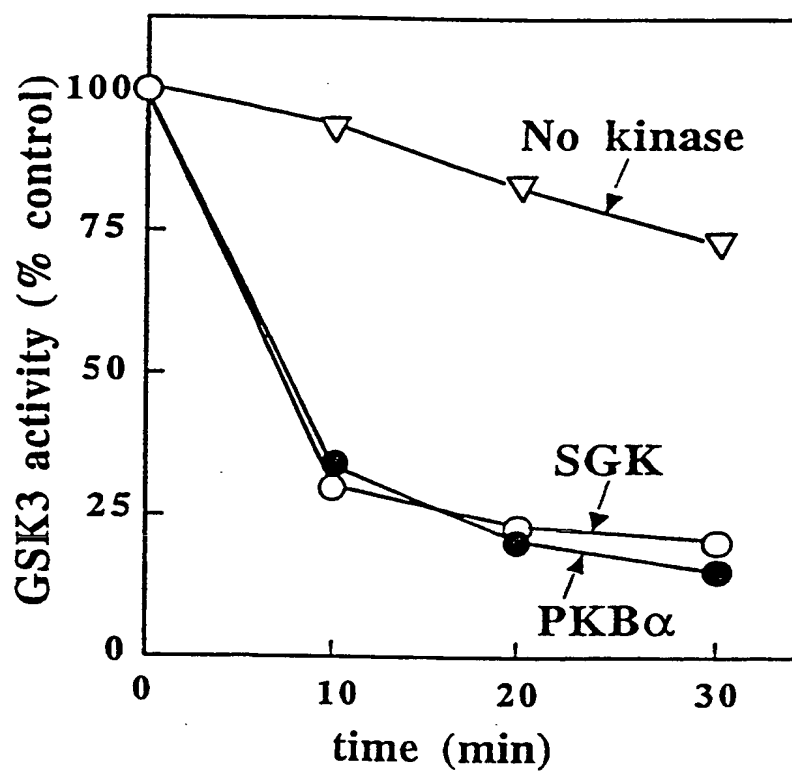


Figure 7

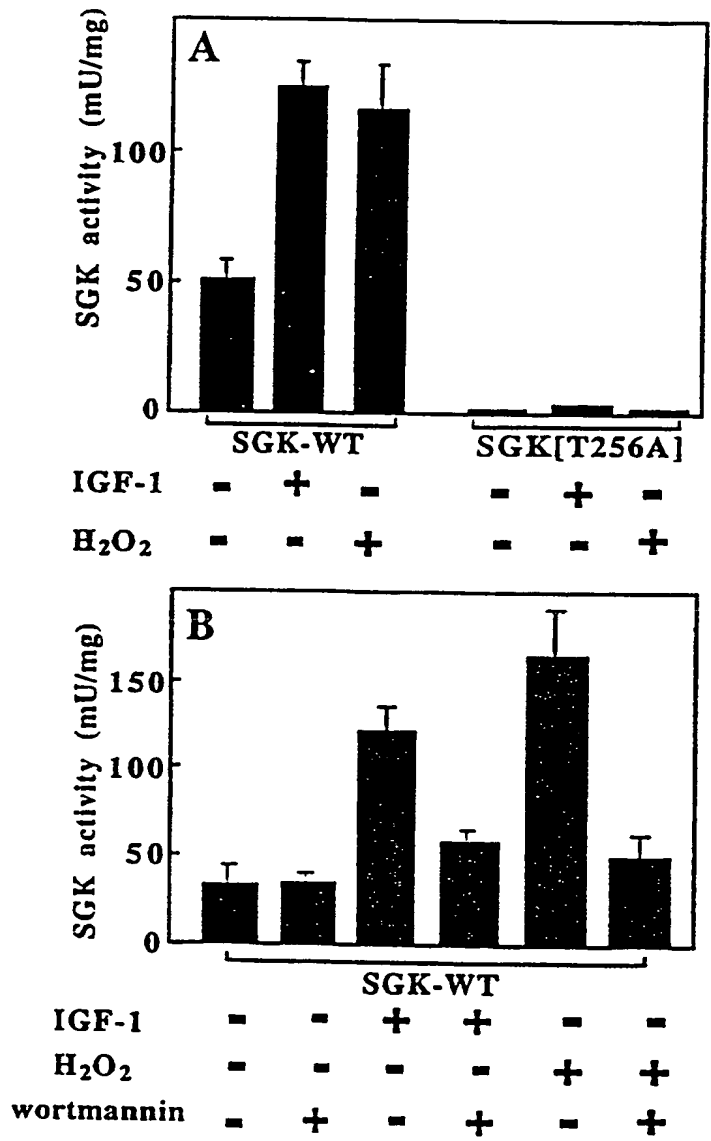


Figure 8

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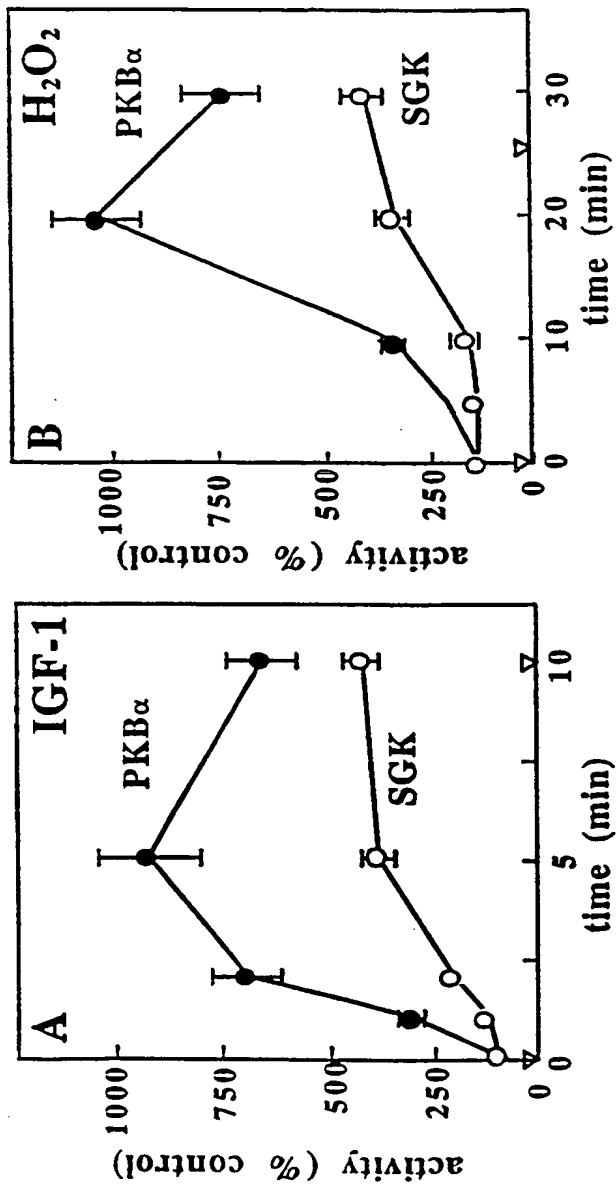


Figure 9

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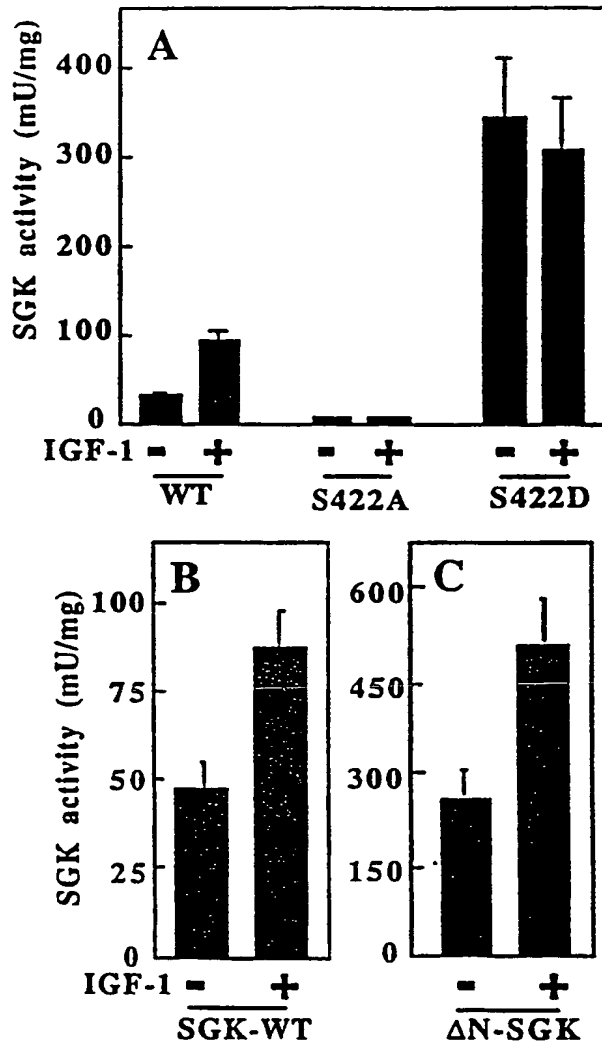


Figure 10

[illegible]

Figure 11

Figure 12

	SGK2β				
hSGK1	MTVKTEAAKG	TLTYSRMGM	VAILIAFMKQ	RRMGLNDEIQ	KIANNNSYACK
hSGK2	MQGLLTSGRK	PSGGGRCTGR	GGWRGQWCLK	PWMGGAD---	-PPTPTLSCL
mSGK2	-----	-----	-----	-----	-----
hSGK3	MALKIFAARI	FGD-----	-NFDPDFIKQ	RRAGLNEFIQ	NLVRYPELYN
	SGK2α				
hSGK1	HPEVQSILKI	SOQPEPELMN	ANPSPEPSP-	---S-QCINL	GPSSNPFAKP
hSGK2	LLFVPPPELPD	HCYRMSSPA	GTPSPQPSR-	---ANGNINL	GFSANPNACP
mSGK2	-----	MASSPV	GVPSPOPSR-	---ANGNINL	GFSANPNARP
hSGK3	HPDVRAFLOM	DSPKHQSDPS	EDEDERSQK	LHSTSONINL	GPSCNPFAKP
hSGK1	SDFEELRVIG	RGSFGKVLLA	RHKAEVFYA	VKVLQKRAIL	KKKEEKHIMS
hSGK2	TDEDELKVIG	KGNYGKVLLA	KRKSDGAFYA	VKVLQKKSIL	KKKEQSHIMA
mSGK2	TDEDELKVIG	KGNYGKVLLA	KRKSDGAFYA	VKVLQKKSIL	KKKEQNHIMA
hSGK3	TDEDELKVIG	RGSFGKVLLA	KRKLDGRFYA	VKVLQKKTIVL	NRKEQKHIMA
hSGK1	ERNVLLKNVK	HFELVGLHFS	FQTADRLYEV	LDYVNGGELE	YHLQRRQFL
hSGK2	ERSVLLKNVR	HFELVGLRYS	FQTEKLYEV	LDYVNGGELE	FHLQRRRRFL
mSGK2	ERNVLLKNVR	HFELVGLRYS	FQTEKLYEV	LDYVNGGELE	FHLQRRRFL
hSGK3	ERNVLLKNVK	HFELVGLHYS	FQTEKLYEV	LDYVNGGELE	FHLQRRSFP
hSGK1	EPRAREYAAE	IASAIGYLHS	LNIVYRDLKP	ENILLDSQGH	IVLTDEGLCK
hSGK2	EPRAREYAAE	VASAIGYLHS	LNILYRDLKP	ENILLDCQGH	VVLTDFGLCK
mSGK2	EPRAREYAAE	VASAIGYLHS	LNILYRDLKP	ENILLDCQGH	VVLTDEGLCK
hSGK3	EPRAREYAAE	IASAIGYLHS	IKIVYRDLKP	ENILLDSVGH	VVLTDFGLCK
hSGK1	ENIEHNSTTS	*TFCGTPEYLA	PEVLEKQPYD	RIVDWWCIGA	VLYEMLYGLP
hSGK2	ECVEHEHTTS	TFCGTPEYLA	PEVLRKEPYD	RAVDWWCIGA	VLYEMHGLP
mSGK2	ECVEPEETTS	TFCGTPEYLA	PEVLRKEPYD	RAVDWWCIGA	VLYEMHGLP
hSGK3	EGIAISDTT	TFCGTPEYLA	PEVIRKOPYD	NTVDWWCIGA	VLYEMLYGLP
hSGK1	PFYSRNTAEM	YDNILNKPLO	LKPNTTNSAR	HLLEGILLQKD	RTKRLGAKDD
hSGK2	PFYSQDVSO	YENILHQPLO	IPGGRTVAAC	DLLOSLIHKD	QRORLGSKAD
mSGK2	PFENTDVAQM	YENILHQPLO	IPGGRTVAAC	DLLOGLIHKD	QRORLGSKED
hSGK3	PFYORDVAEM	YDNILHKPLS	LRFGVSLTAW	SILEELLERD	RQNRLGARED
hSGK1	FMEIRSHVFF	SLINWDDLIN	KKITPPFNPN	VSGPNELRHF	DPEETEEFVP
hSGK2	FLEIKNHVFF	SPINWDDLX	KRITPPFNPN	VIGPADLKH	DPEETQEAVS
mSGK2	FLDIKNHFF	SPINWDDLX	KRITPPFNPN	VEGPADLKH	DPEETQEAVS
hSGK3	FLEIQNHFF	ESLSWADLVQ	KKIPPPFNPN	VAGPDDIRNF	DTAETETVP
hSGK1	NSIGKSPDSV	LVTASVKEAA	*BAFLGESYAP	PIDSEF--	
hSGK2	KSIGCTPDTV	---ASSSCAS	SAFLGESYAP	ECDEILD	
mSGK2	KSIGCTPDTV	---ASSSCAS	SAFLGESYAO	DCDEILDS	
hSGK3	YSVCVSDYS	IVNASVLEAD	DAFVGFSYAP	PSEDLFL-	

Figure 13

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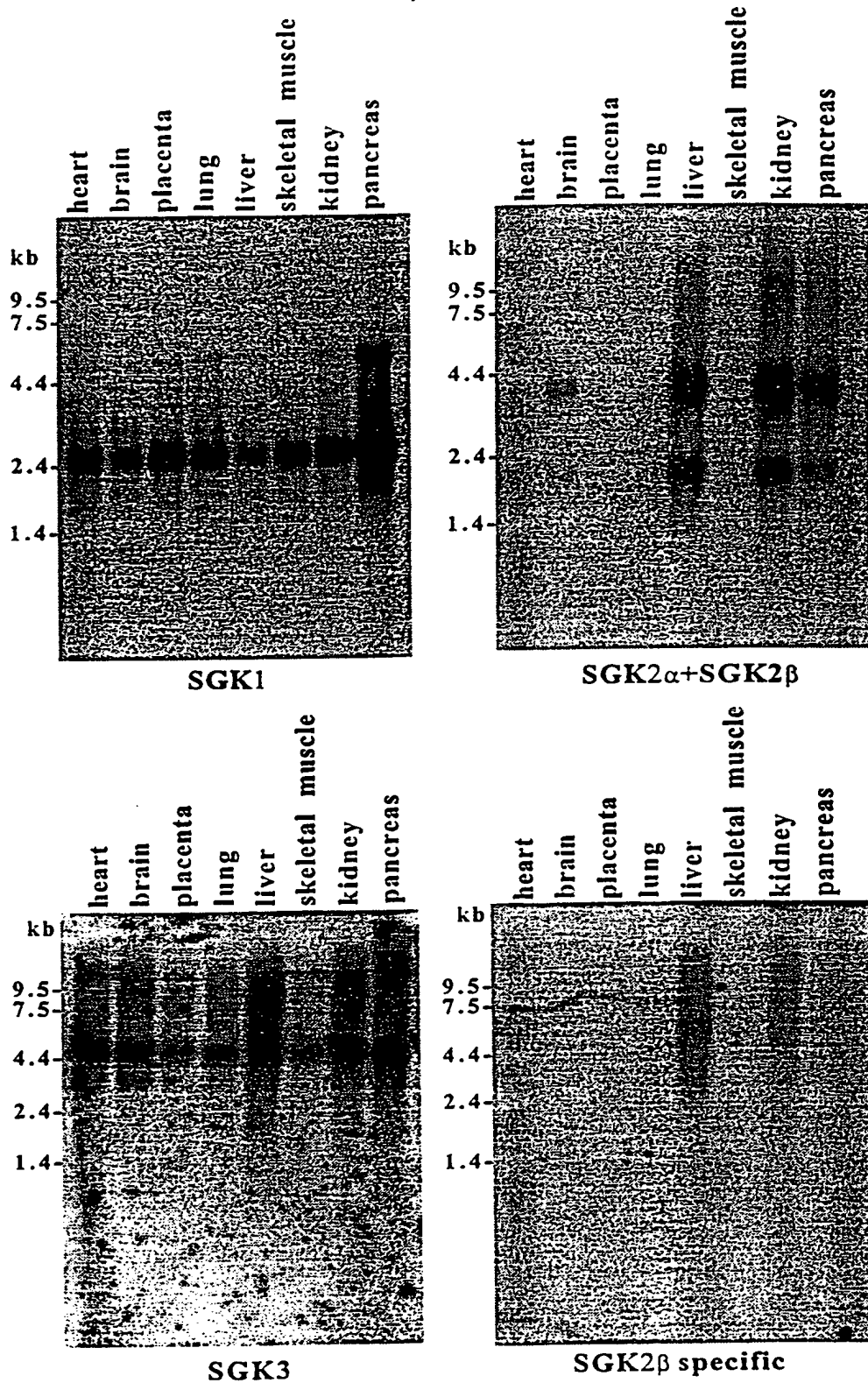


Figure 14

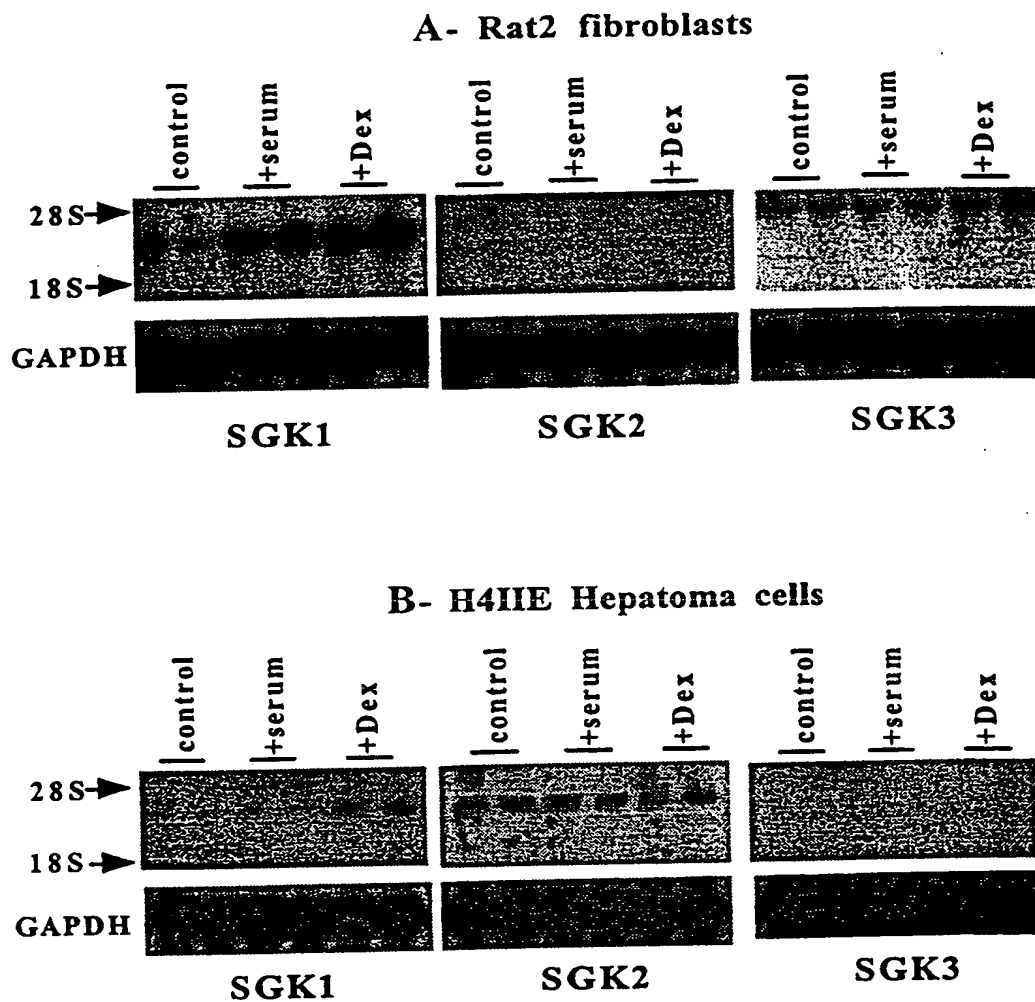


Figure 15

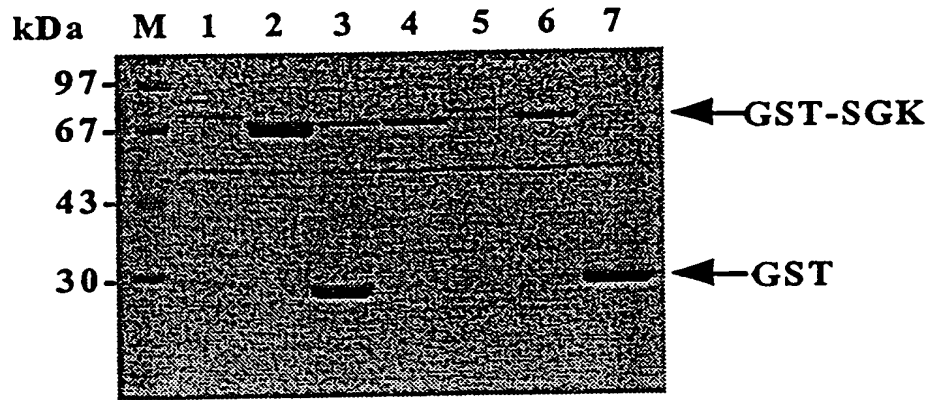


Figure 16

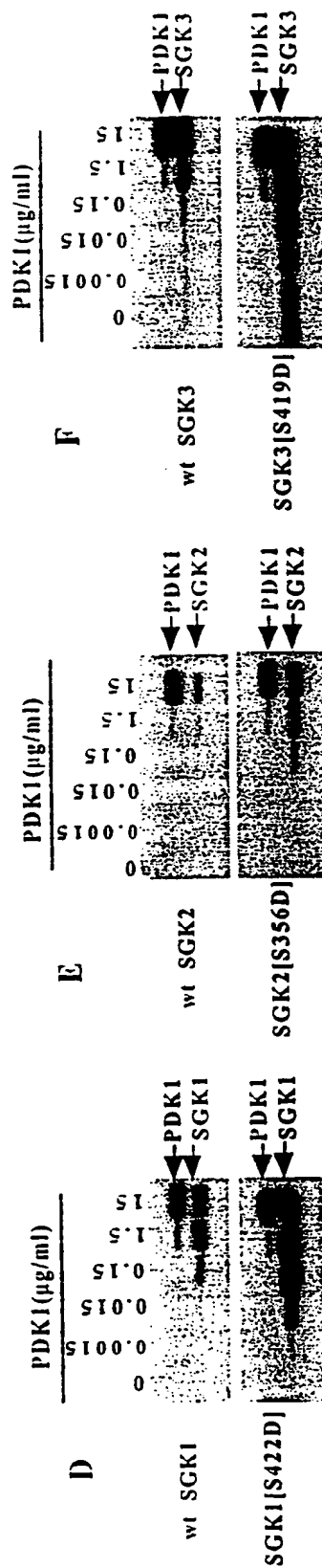
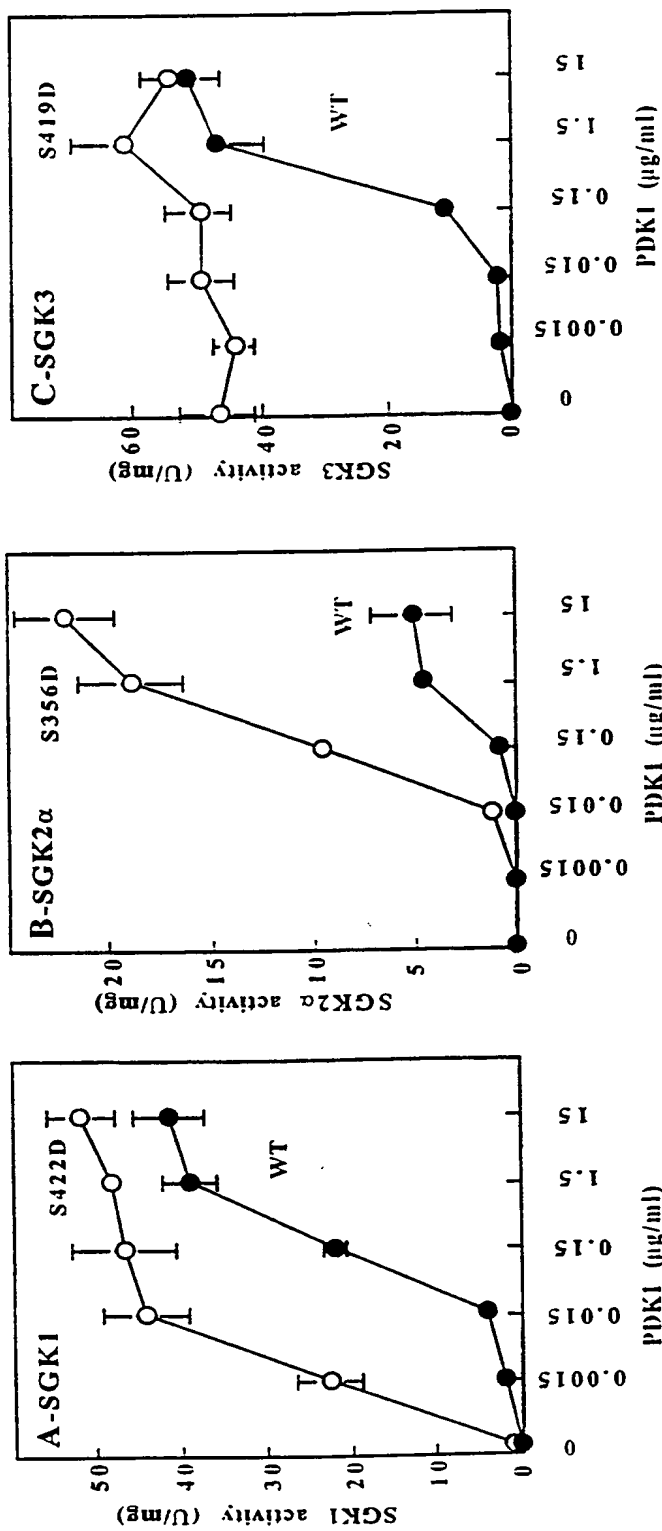


Figure 17

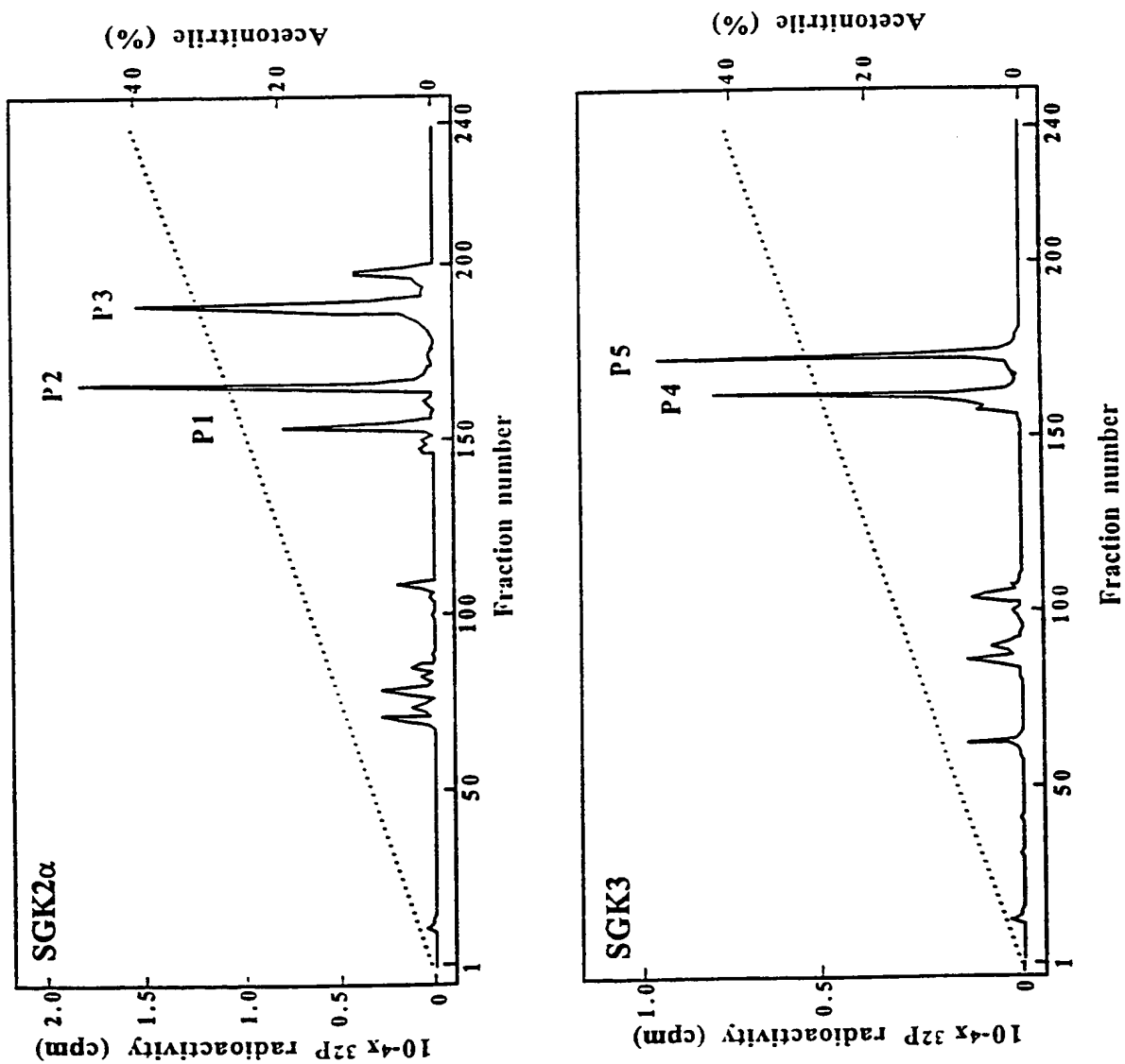


Figure 18

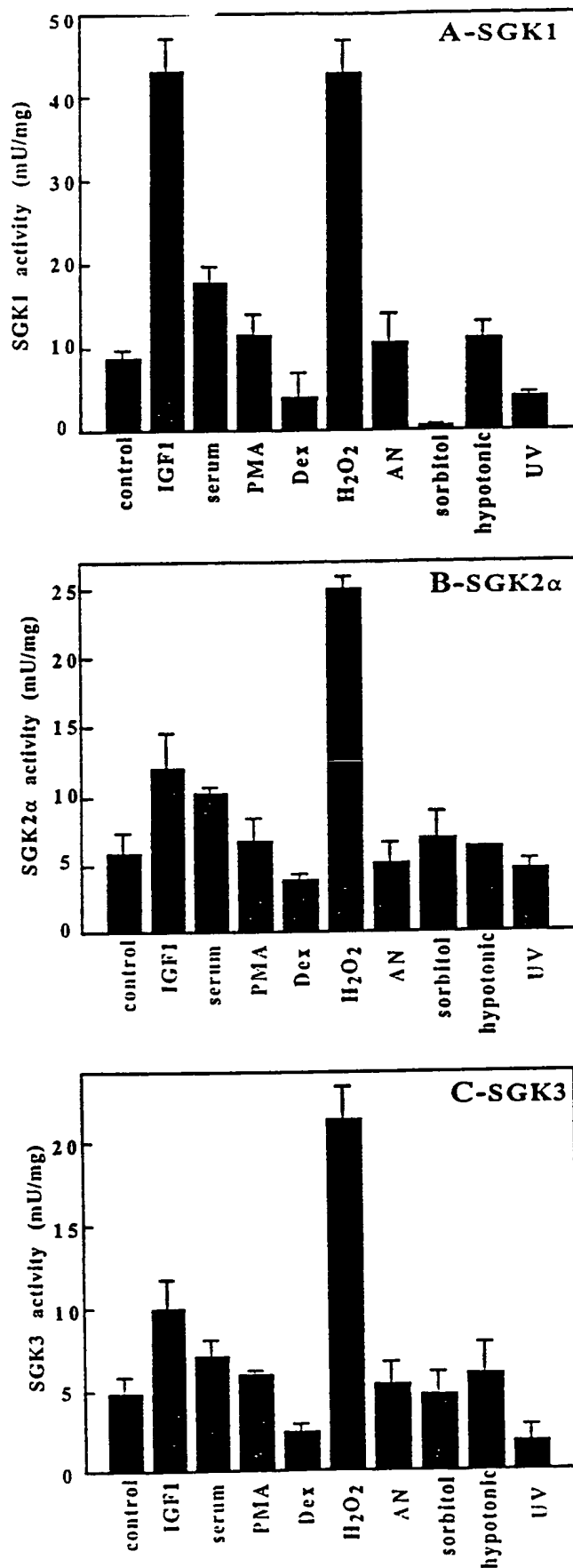


Figure 19

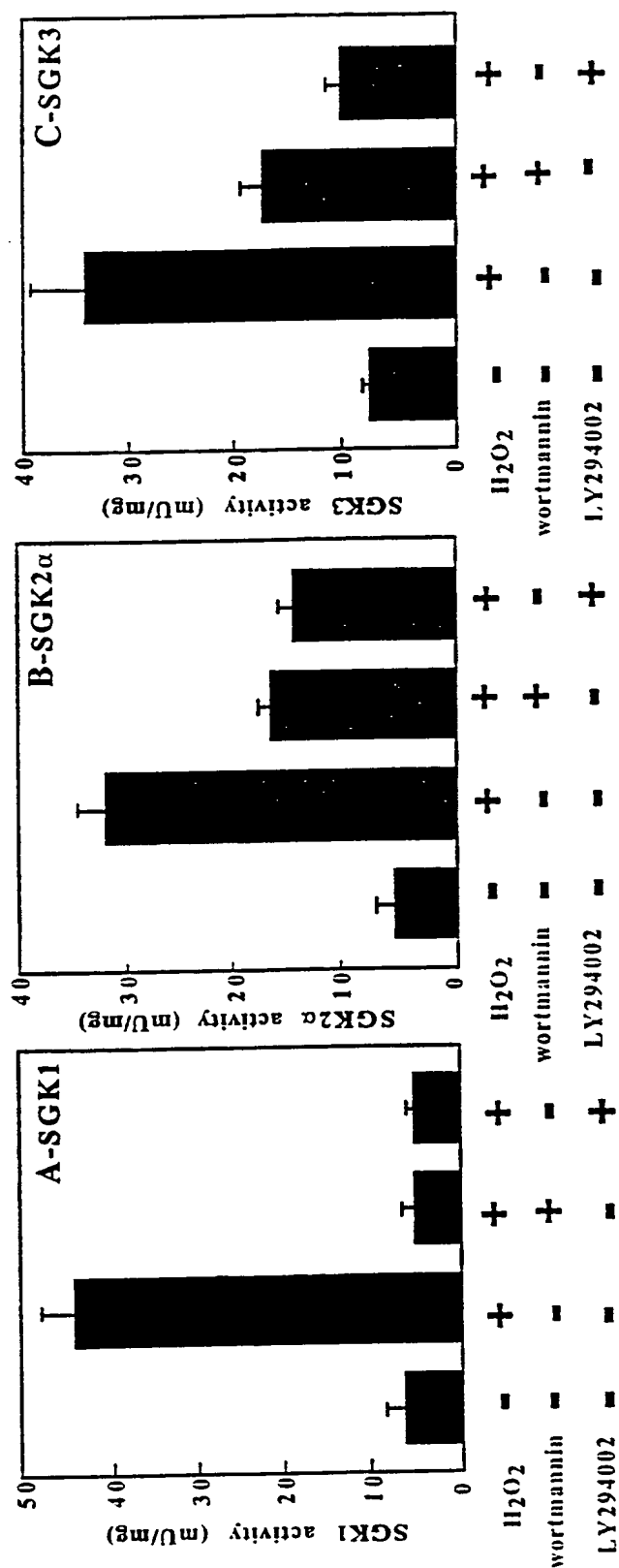


Figure 20